Paper Paperboard & Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol.68 No.7 JULY 1990

PAPER AND PAPERBOARD PRODUCTION RATE STRENGTHENS

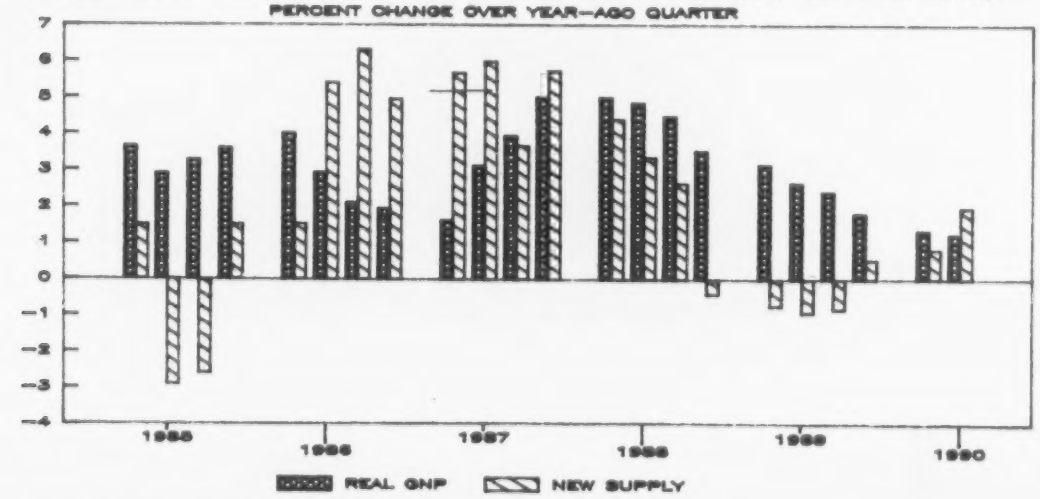
Preliminary data indicate that the seasonally adjusted rate of paper and paperboard production in the second quarter of 1990 reached a record high of 78.2 million tons per year, with the monthly rates very close to the average. This was 1% higher than the preceding quarter and 2.5% above the second quarter 1989 rate.

The U.S. Department of Commerce recently revised the real gross national product (real GNP) figures from 1987 forward. It appears that the overall United States economy has not been growing as rapidly as previously reported. The flat trend in paper and paperboard production and consumption evident since the start of 1988 now appears to be more consistent with historical industry performance during periods of economic slowdown.

The modest second quarter 1990 real GNP gain -- 1.2% per year from the previous quarter -- was supported by inventory increases. The strength in second quarter paper and paperboard demand may have been influenced by this.

The chart below repeats the one presented here last month, using the new real GNP data and extending to the second quarter. New supply of paper and paperboard in the second quarter of 1990, which includes an estimate of international trade of industry products in June, rose faster than real GNP relative to its year-ago quarter for the first time since the fourth quarter of 1987.

REAL GNP & NEW SUPPLY OF PA'BRD



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The gains in total production reflected strength in both paper and paperboard. The second quarter 1990 paper production rate was up 0.9% from the first quarter and 4% above the year-ago level. Paperboard also moved up about 1% from its first quarter level, but showed that same percentage increase from its year-ago quarter.

Paper: Total paper production in June 1990 was 3.1% above its June 1989 level; the year-to-date total remained 2.8% higher than in the corresponding 1989 period. With the exception of the packaging grades, the vitality in paper demand was well distributed. Newsprint production continues to dominate -- up 9% from the first six months of 1989 to the first six months of 1990.

Demand for the printing and writing grades is illuminated by the healthy advances of shipments and of new and unfilled orders. Only unfilled orders for uncoated groundwood papers in June were modestly below their June 1989 level. At the same time, unfilled orders for uncoated free sheet papers rose 58%. The smaller printing and writing grades -- bleached bristols and thin papers -- were also ahead of their year-ago rates.

Production of tissue papers in June held firmly at its record pace while packaging paper production advanced fractionally.

Paperboard: Total paperboard production exceeded its year-ago volume by 0.7% in the first half of 1990, largely the result of advances in kraft paperboard production for export (see page 11). The industry's recycling efforts appear to have turned production of recycled corrugating medium for domestic use upward, after a modest downturn in 1989.

Across the board declines in all grades of folding boxboard for domestic use cancelled the impact of the first-half gains in production of milk carton stock and set-up boxboard on the boxboard total. The drop in "other boxboard" production was largely the result of a slide in gypsum wallboard production. The 20% year-to-date surge in boxboard production for export supported total boxboard production.

Total containerboard production in the first half of 1990 moved above its level in the comparable 1989 period by 1.1% reflecting, in part, a shift toward export demand. Containerboard production for domestic use held close to the pace it displayed last year. The Fiber Box Association reported first-half 1990 box shipments up 0.5% from their year-ago level. Inventories of containerboard at mills and plants have shown little change over the past 12 months; the June 1990 level was equivalent to 5.3 weeks of supply, compared to 5.5 a year earlier.

FIBROUS MATERIALS

At an annual rate of almost 21 million tons, waste paper consumption at paper and paperboard mills (excluding the construction grades) in the first five months of 1990 ran 5.8% ahead of its year-ago level, compared to a 1.5% increase in the use

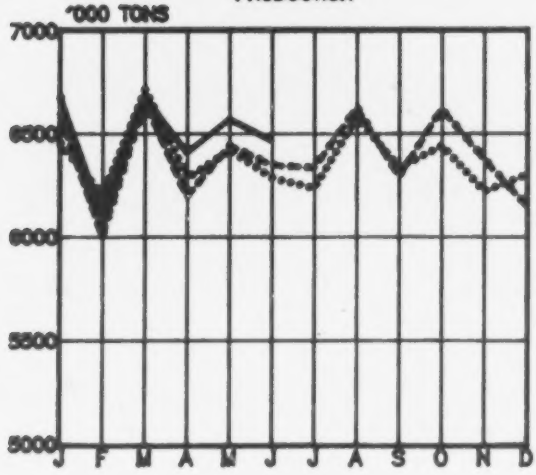
PAPER AND PAPERBOARD STATISTICS PRODUCTION, SHIPMENTS AND ORDERS (Thousands of Tons)	YEAR 1988	YEAR 1989	MAR 1990	APR 1990	MAY R 1990	JUNE P 1990	Annual Rate Y-T-D 1990	% Change From Same Period Last Year
PAPER								
Newsprint – Production	5,982	6,088	543	541	545	539	6,462	8.9
– Shipments	5,969	6,079	543	544	553	536	6,479	10.2
Printing & Writing: Total Shipments	21,857	21,540	1,895	1,820	1,835	1,793	22,111	2.8
Groundwood Paper – Shipments	1,624	1,754	150	155	144	145	1,785	4.0
– New Orders	1,654	1,784	126	129	163	177	1,812	5.7
– Unfilled Orders	208	211	186	147	167	194	194	-2.8
Coated Papers – Shipments	7,359	7,194	614	567	621	603	7,255	3.5
– New Orders	7,412	7,262	643	656	615	650	7,410	5.4
– Unfilled Orders	751	822	658	747	747	780	780	5.9
Unctd Free Sheet – Shipments	11,277	11,043	983	971	938	910	11,454	2.4
– New Orders	11,298	11,132	1,035	990	987	989	11,812	8.7
– Unfilled Orders	790	784	765	757	816	881	881	57.9
Thin Papers – Shipments	281	245	26	23	22	22	273	6.1
Cotton Fiber Paper – Shipments	167	157	15	13	14	13	165	-0.9
Bleached Bristols – Shipments	1,150	1,148	106	92	95	100	1,179	0.9
Tissue Paper – Production	5,476	5,636	500	467	494	479	5,729	2.4
Total Packaging & Other Paper	5 047	4,925	392	379	406	394	4,676	-4.0
Unbl. Kraft Paper – Shipments	2,800	2,681	196	187	206	208	2,393	-10.5
Other Paper – Production	2,247	2,243	196	191	201	185	2,283	3.9
TOTAL PAPER PRODUCTION – UNADJUSTED	38,363	38,189	3,329	3,207	3,279	3,205	38,978	2.8
TOTAL PAPER PRODUCTION – SEAS ADJ			3,182	3,271	3,303	3,252	39,138	2.9
PAPERBOARD – PRODUCTION								
Containerboard	26,225	26,428	2,302	2,200	2,282	2,251	26,743	1.1
Cont'bd For Dom Use for Fibre Boxes	23,563	23,752	2,039	1,977	2,013	1,997	23,739	0.0
Total Linerboard	16,177	16,399	1,409	1,359	1,371	1,390	16,329	-0.4
Unbleached Kraft	15,601	15,833	1,366	1,325	1,333	1,354	15,901	0.5
Solid Bleached	170	178	14	11	9	10	131	-27.0
Recycled	407	388	28	24	30	26	297	-24.5
Corrugating Medium	7,351	7,339	629	618	640	607	7,401	1.1
Semichemical	5,528	5,554	472	456	483	450	5,514	-0.5
Recycled	1,823	1,785	157	162	158	156	1,887	6.1
Container Chip and Filler	35	14	1	0	1	0	9	-47.1
Other Containerboard for Dom Use	320	307	26	22	33	22	289	-7.1
Containerboard for Export	2,342	2,369	237	201	236	231	2,714	13.4
Boxboard	11,878	12,029	1,050	1,002	1,010	1,012	12,096	-0.4
Boxboard for Packaging for Dom Use	7,014	7,076	614	577	595	586	7,049	-1.5
Folding Boxboard	5,293	5,370	466	415	442	432	5,244	-3.2
Solid Bleached	2,017	1,980	166	147	159	156	1,881	-4.8
Unbleached Kraft	924	987	86	72	83	75	937	-5.6
Recycled	2,353	2,403	215	196	200	201	2,427	-0.9
Set-up Boxboard for Dom Use	279	288	27	29	27	25	323	8.8
Milk Carton & Food Service Dom Use	1,442	1,419	122	133	126	129	1,482	2.9
Other Boxboard for Domestic Use	4,075	4,089	348	338	341	346	4,062	-2.5
Boxboard for Export	789	863	87	87	75	80	985	20.0
Paperboard Production by Furnish	38,103	38,456	3,352	3,202	3,292	3,262	38,839	0.7
Unbleached Kraft	19,140	19,490	1,715	1,627	1,683	1,681	19,859	1.9
Semichemical	5,664	5,691	485	466	499	467	5,675	-0.3
Solid Bleached Kraft	4,511	4,521	388	378	388	376	4,499	0.3
Recycled	8,788	8,754	763	731	742	738	8,806	-1.2
Paperboard Production for Export	3,132	3,232	324	288	311	311	3,697	15.0
Unbleached Kraft	2,296	2,363	238	208	235	229	2,731	15.4
Semichemical	136	138	13	10	16	17	161	7.9
Bleached Kraft	628	693	69	65	56	61	756	14.4
Recycled	72	38	4	4	5	4	49	24.3
TOTAL PAPERBOARD PRODUCTION – UNADJ	38,103	38,456	3,352	3,202	3,292	3,262	38,839	0.7
TOTAL PAPERBOARD PROD – SEAS ADJ			3,220	3,266	3,191	3,258	38,651	0.6
PAPER AND PAPERBOARD – UNADJ	76,466	76,646	6,681	6,409	6,571	6,467	77,817	1.7
PAPER AND PAPERBOARD – SEAS ADJ			6,401	6,537	6,495	6,511	77,789	1.7

R – Revised P – Preliminary Seas. Adj. – Seasonally Adjusted Unadj – Not Seasonally Adjusted

TOTAL PAPER AND PAPERBOARD

PRODUCTION

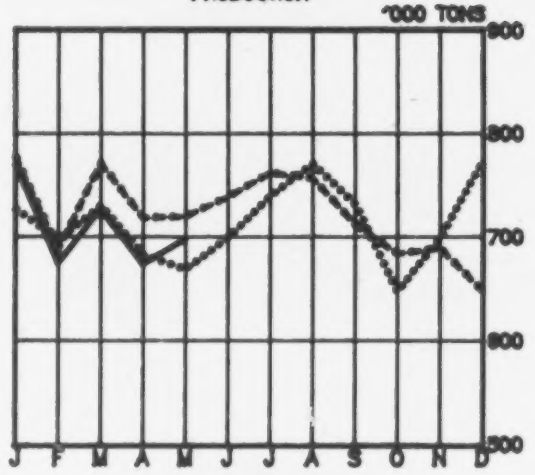
'000 TONS



MARKET WOOD PULP

PRODUCTION

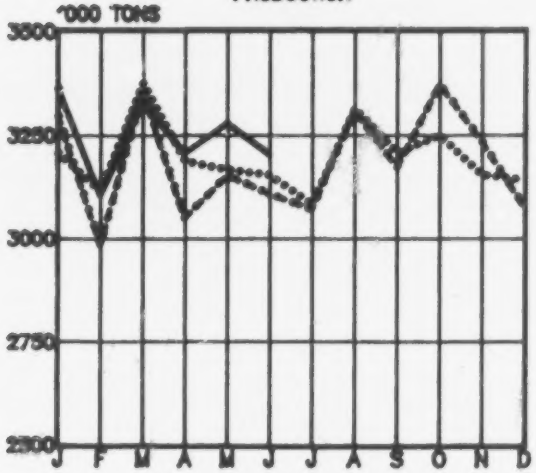
'000 TONS



TOTAL PAPER

PRODUCTION

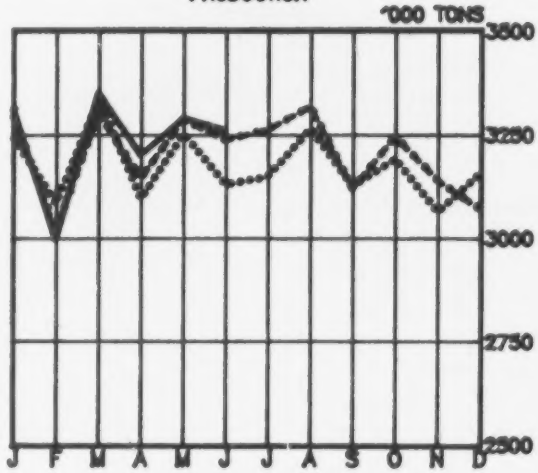
'000 TONS



TOTAL PAPERBOARD

PRODUCTION

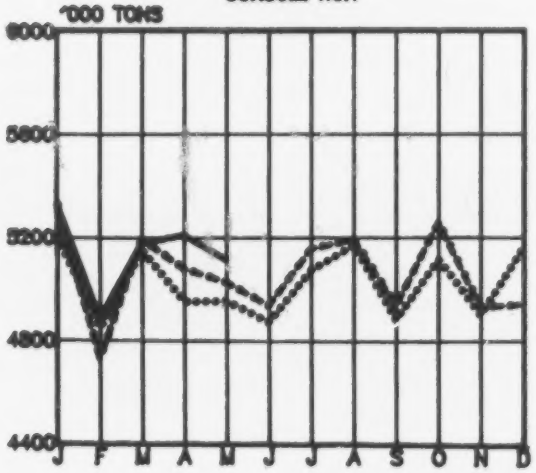
'000 TONS



TOTAL WOOD PULP

CONSUMPTION

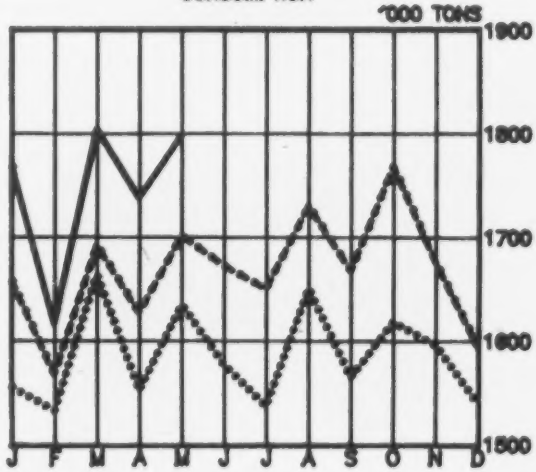
'000 TONS



TOTAL WASTE PAPER

CONSUMPTION

'000 TONS



1988 ..... 1989 - - - - 1990 ——

WOOD PULP STATISTICS (Thousands of Tons)			YEAR 1988	YEAR 1989	FEB 1990	MAR 1990	APR R 1990	MAY P 1990	Annual Rate Y-T-D 1990	% Change From Same Period Last Year
TOTAL WOOD PULP										
Total Wood Pulp	Production		61,161	61,998	4,988	5,272	5,254	5,164	62,778	1.2
	Imports	A	5,038	5,005	425	429	418	428	5,069	-0.9
	Exports		5,528	6,231	410	578	538	443	5,733	-8.7
	New Supply		60,671	60,772	5,002	5,123	5,134	5,149	62,114	2.1
Dissolving Pulp	Production		1,367	1,425	89	123	98	103	1,289	-8.1
	Imports		248	284	20	23	15	27	246	-13.0
	Exports		865	836	52	71	71	64	757	-8.0
	New Supply		751	873	57	74	42	66	778	-9.8
Paper Grades	Production		49,493	50,181	4,050	4,275	4,220	4,158	50,690	0.8
Chemical Pulp	Imports	A	4,419	4,370	368	373	371	368	4,446	-2.0
	Exports		4,612	5,325	355	503	460	377	4,924	-8.5
	New Supply		49,300	49,226	4,063	4,145	4,131	4,150	50,213	1.6
Groundwood and	Production		5,943	6,029	509	509	540	522	6,305	6.6
Thermo-Mech	Imports	A	371	351	37	33	31	32	376	28.3
	Exports		51	70	3	3	8	2	52	-28.8
	New Supply		6,263	6,309	543	539	563	552	6,630	8.1
Semi-Chemical	Production		4,358	4,363	340	365	397	381	4,494	2.1
	Imports									
	Exports									
	New Supply		4,358	4,363	340	365	397	381	4,494	2.1
MARKET WOOD PULP										
Total Market	Production		8,565	8,664	675	727	674	698	8,503	-3.6
Wood Pulp	Imports		3,471	3,340	260	249	263	257	3,110	-8.3
	Exports		5,071	5,310	434	508	446	422	5,090	-4.3
	New Supply		6,966	6,694	501	468	491	533	6,523	-5.3
Dissolving Pulp	Production		1,365	1,422	89	122	97	103	1,288	-7.9
	Imports		206	210	17	18	8	25	178	-11.6
	Exports		798	821	53	75	59	60	745	-6.6
	New Supply		774	810	53	65	47	67	721	-10.2
Paper Grades	Production		7,200	7,242	585	605	577	595	7,215	-2.7
Chemical Pulp	Imports		3,126	3,072	242	229	254	231	2,911	-6.7
	Exports		4,273	4,489	381	433	387	362	4,345	-4.0
	New Supply		6,052	5,825	446	401	444	464	5,782	-3.9
Groundwood Pulp	Production		0	0	0	0	0	0	0	0.0
and All Other	Imports		139	58	2	2	1	2	21	-70.3
	Exports		0	0	0	0	0	0	0	0.0
	New Supply		139	58	2	2	1	2	21	-70.3

SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp Division, Pulp, Materials and Technology Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.
NOTE: A - API shifted import data from January 1989 to December 1988 to compensate for misallocation of reported data.

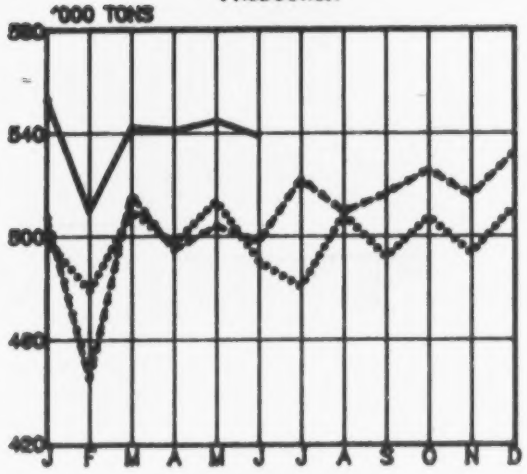
FIBROUS RAW MATERIALS (Thousands of tons)	YEAR 1988	YEAR 1989	FEB 1990	MAR 1990	APR R 1990	MAY P 1990	Annual Rate 1990	% Change From Same Period Last Year
CONSUMPTION AT PAPER & PAPERBOARD MILLS								
Total	79,315	80,737	6,504	6,986	6,950	6,917	82,692	2.5
Total Wood Pulp	60,294	60,727	4,887	5,181	5,212	5,118	61,748	1.5
Waste Paper	19,021	20,010	1,617	1,805	1,739	1,799	20,945	5.8
INVENTORIES								
Chemical Paper Grade Market Pulp								
Producers' Own-Use Inventories	172	193	215	202	196	184	184	13.8
Producers' Market Inventories	251	342	531	487	455	451	451	48.1
Consumers' Purchased Inventories #	622	519	542	475	431	437	437	-30.5
Waste Paper at Paper & Bd. Mills	1,044	1,085	1,054	1,031	1,006	1,016	1,016	-4.5
Days of Supply at Pulp Mills of								
Chemical Paper Grade Mkt Pulp	14	19	29	26	22	22	22	46.7

SOURCES: Wood Pulp Data, Pulp Division, Pulp, Materials and Technology Group, API. Waste Paper Data, Paper Recycling Committee, API.
Includes all grades of wood pulp
P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons

NEWSPRINT

PRODUCTION

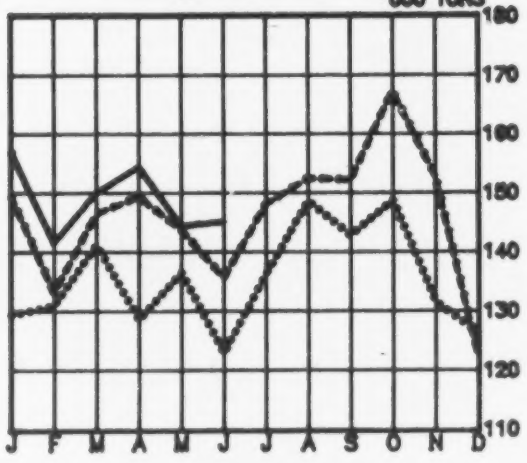
'000 TONS



GROUNDWOOD PAPER, UNCOATED

SHIPMENTS

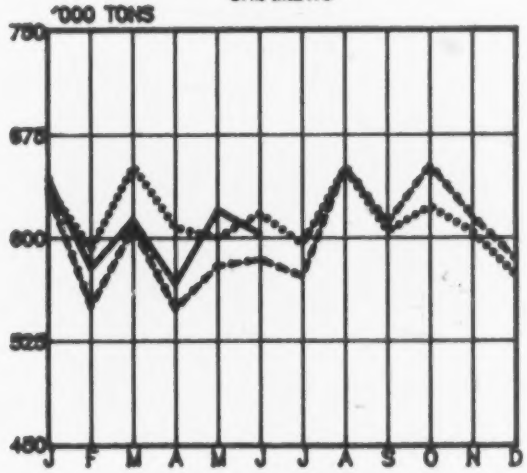
'000 TONS



COATED PAPER

SHIPMENTS

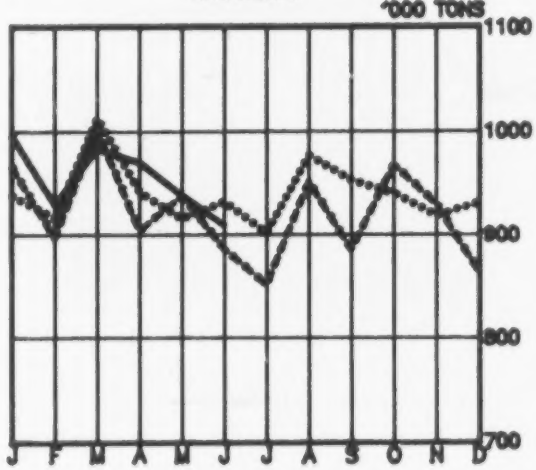
'000 TONS



UNCOATED FREE SHEET PAPERS

SHIPMENTS

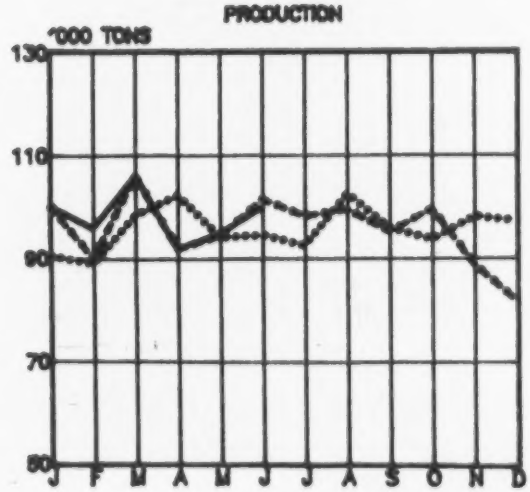
'000 TONS



BLEACHED BRISTOLS

PRODUCTION

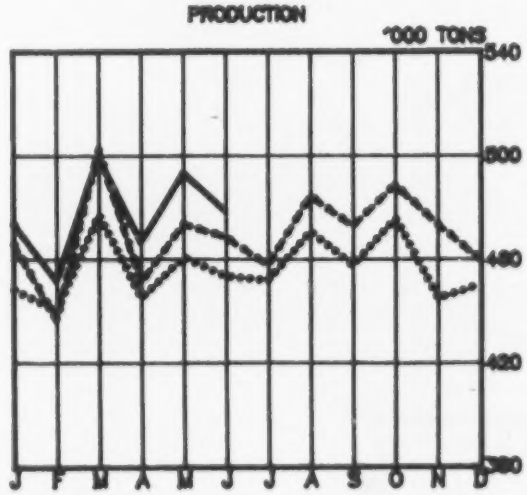
'000 TONS



TISSUE PAPER

PRODUCTION

'000 TONS



1988 ..... 1989 ----1990 ——

FIBROUS RAW MATERIALS (Thousands of Standard (128 Cu. ft.) Cord	YEAR 1988	YEAR 1989	FEBRUARY 1990	MARCH 1990	APRIL 1990	MAY 1990	ANNUAL RATE Y-T-D 1990	% CHANGE FROM SAME PD LAST YEAR
PULPWOOD								
Total U.S. – Total Receipts	96,537	99,279	8,215	8,280	8,138	8,014	99,283	3.2
– Total Consumpt	95,497	98,414	8,108	8,341	8,260	8,113	99,300	2.1
– Residues *	33,186	34,539	2,854	2,927	3,063	2,996	35,856	6.4
– Inventories	4,588	5,462	5,597	5,433	5,209	5,177	5,177	19.8
So. Atlantic – Total Receipts	31,582	31,982	2,691	2,780	2,758	2,652	33,041	4.4
– Total Consumpt	31,567	32,239	2,836	2,750	2,763	2,663	32,628	1.4
– Residues *	9,897	9,961	877	924	921	890	11,106	13.0
– Inventories	1,200	998	1,017	1,035	1,048	1,077	1,077	14.2
Northeast – Total Receipts	7,187	7,242	649	586	526	510	7,111	-1.7
– Total Consumpt	7,216	7,072	591	607	648	536	7,250	-1.2
– Residues *	1,664	1,575	126	126	126	120	1,496	-13.6
– Inventories	572	522	599	549	470	413	413	-1.2
South Central – Total Receipts	33,751	35,840	2,986	3,113	3,061	3,012	36,502	8.3
– Total Consumpt	33,848	35,791	3,019	3,077	2,927	2,995	36,197	4.2
– Residues *	9,890	10,539	919	936	996	1,015	11,496	12.2
– Inventories	1,160	1,336	1,172	1,221	1,223	1,164	1,164	18.1
North Central – Total Receipts	6,865	7,020	660	540	469	556	6,991	3.1
– Total Consumpt	6,929	6,963	571	596	596	608	7,202	2.6
– Residues *	1,334	1,422	104	108	118	115	1,337	-7.3
– Inventories	839	938	1,081	1,030	891	849	849	8.0
West – Total Receipts	16,152	17,195	1,249	1,241	1,323	1,284	15,638	-3.7
– Total Consumpt	16,139	16,349	1,291	1,312	1,328	1,311	16,022	0.4
– Residues *	10,401	11,042	829	833	902	856	10,421	-0.4
– Inventories	1,117	1,730	1,728	1,698	1,577	1,674	1,674	41.0

* – Consumption of Residues in cords equivalent

SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA		IMPORTS FROM CANADA * YEAR 1989 Tons	YEAR 1989 ($000)	APRIL 1990 Tons	APRIL 1990 ($000)	MAY 1990 Tons	MAY 1990 ($000)	ANNUAL RATE Y-T-D 1990 Tons	% CHANGE FROM SAME PD LAST YEAR
Pulpwood, Roundwood (in cubic meters)		211,061	4,582	0	0	0	0	0	-100.0
Pulpwood chips		792,186	27,339	93,466	1,866	72,184	2,126	732,684	-26.4
Wood Pulp, Total	A	4,353,343	2,598,247	367,265	219,484	379,208	228,893	4,559,149	2.2
Waste Fibrous Materials, Total		164,217	31,659	11,331	2,551	18,230	4,470	152,856	-17.4
Paper, Board & Products, Total	A	10,966,831	6,104,181	961,916	537,609	961,957	527,948	11,471,316	4.7
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Bd.	A	10,807,659	5,782,419	966,671	505,961	948,957	496,401	11,317,014	5.2
Paper, Paperboard & Products	A	10,830,545	6,065,465	972,481	535,029	962,283	525,148	11,359,281	5.5
Paper & Paperboard, Only	A	10,661,373	5,743,703	956,215	503,400	939,283	493,603	11,204,978	6.0
Paper, Total	A	10,234,256	5,579,918	908,055	484,112	896,748	478,579	10,714,521	5.4
Newsprint	A	8,330,874	4,278,705	722,726	361,789	716,618	357,145	8,506,842	2.1
Printing, Writing & Rel. Pap.	A	1,579,896	1,069,283	159,461	103,713	152,297	99,840	1,864,624	22.8
Pack. & Ind. Conv. Paper		217,150	119,140	11,490	8,908	16,232	9,265	210,333	-3.9
Special Industrial Paper		49,045	80,344	4,218	4,536	4,358	4,638	82,810	65.7
Tissue Paper		57,481	51,587	5,760	5,138	7,243	6,171	69,913	25.7
Paperboard, Total		417,117	184,685	48,160	19,288	42,535	18,724	490,457	21.0
Convtd Paper&Paperbd Products		179,172	321,762	16,245	31,628	13,000	31,544	154,303	-22.7
Wet Machine Board		293	245	51	45	89	73	983	203.5
Construction Paper & Board		155,993	38,472	9,404	2,535	9,585	2,724	111,052	-40.4

NOTE: A – API shifted import data from January 1989 to December 1988 to compensate for misallocation of reported data.

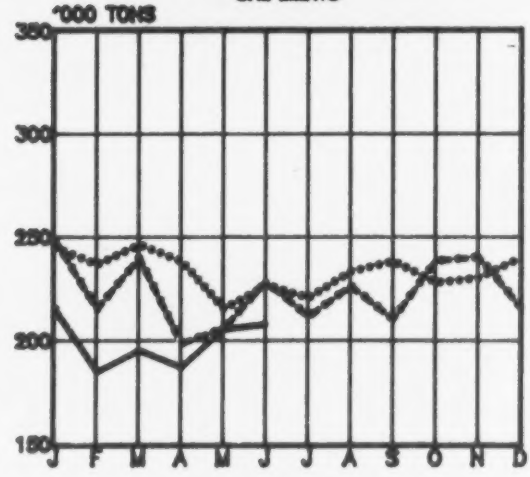
NOTE: 1990 EXPORT DATA NOT FULLY COMPARABLE WITH 1989'S.

	EXPORTS TO CANADA *							
Pulpwood, Roundwood (in cubic meters)	62,892	1,120	26,328	1,093	24,738	1,795	385,989	1488.8
Pulpwood chips	28,218	1,241	12,532	667	17,172	804	179,750	748.8
Wood Pulp, Total	362,898	141,272	31,912	15,266	27,432	13,721	377,857	33.7
Cotton Pulp & Other Pulp	6,215	4,249	472	459	338	344	4,235	-40.4
Waste Paper	264,379	38,555	49,979	8,791	53,718	9,503	807,710	86.6
Paper, Board & Products, Total	1,083,228	763,613	99,242	108,469	99,907	111,449	1,175,836	25.3
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Bd.	754,575	497,470	74,883	68,991	74,002	68,547	688,857	37.8
Paper, Paperboard & Products	1,062,560	755,810	99,080	109,348	99,662	111,308	1,173,974	27.5
Paper & Paperboard, Only	733,907	489,668	74,681	68,868	73,756	68,405	688,995	41.3
Paper, Total	371,206	340,312	41,679	48,325	42,524	49,236	520,755	57.9
Newsprint	8,316	5,891	1,650	1,011	1,532	891	19,597	218.0
Printing, Writing & Rel. Pap.	228,021	222,055	30,908	33,784	30,546	34,679	378,709	55.8
Pack. & Ind. Conv. Paper	65,390	29,624	3,535	2,464	3,854	2,707	48,545	1.3
Special Industrial Paper	62,645	72,955	4,457	7,882	5,421	9,959	90,488	-8.3
Tissue Paper	6,834	9,787	1,128	1,214	1,171	1,302	13,116	122.1
Paperboard, Total	362,701	148,358	33,002	20,643	31,232	19,170	368,240	23.0
Convtd Paper&Paperbd Products	328,853	286,143	24,379	41,479	26,905	42,901	286,978	-2.0
Wet Machine Board	1,629	660	0	0	0	0	0	-100.0
Construction Paper & Board	19,040	7,143	182	124	245	142	1,861	-88.3

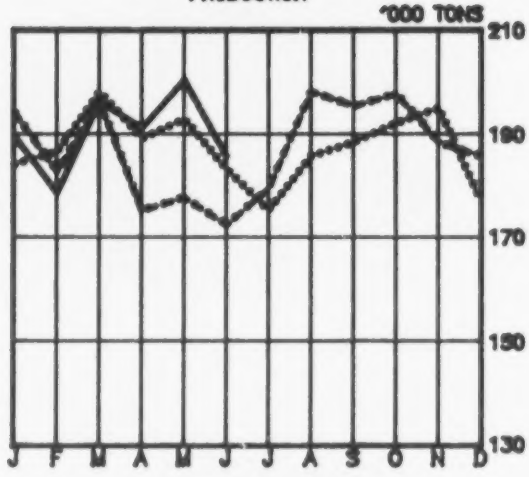
SOURCE: Bureau of Census, Department of Commerce .

E – Estimate of tonnage based on square foot data

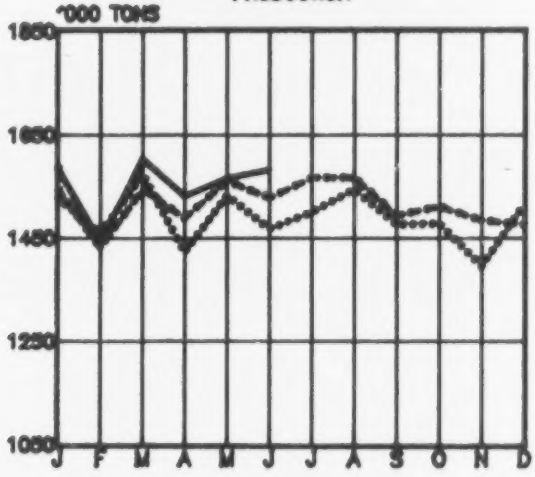
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER SHIPMENTS



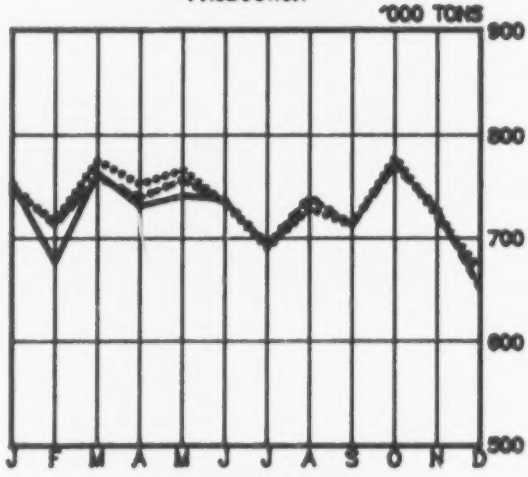
OTHER PAPER PRODUCTION



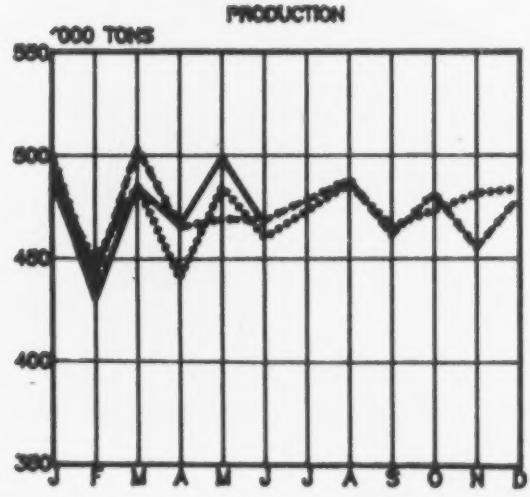
UNBLEACHED KRAFT LINERBOARD PRODUCTION



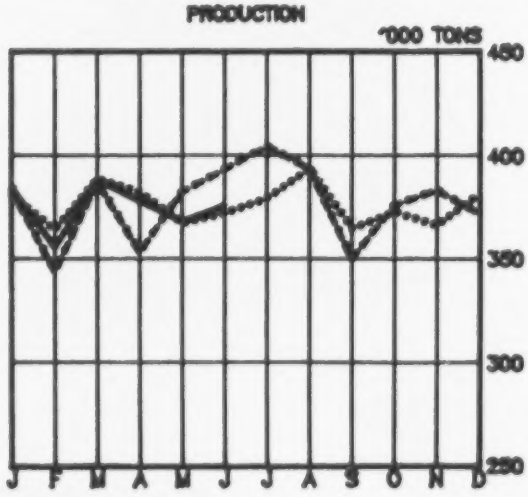
RECYCLED PAPERBOARD PRODUCTION



SEMICHEMICAL PAPERBOARD PRODUCTION



SOLID BLEACHED PAPERBOARD PRODUCTION



1988 ..... 1989 ----- 1990 ———

PULP, PAPER AND PAPERBOARD IMPORTS		YEAR 1989		APRIL 1990		MAY 1990		Annual Rate YTD 1990	% Change from same Period Last Year
		Tons	$000	Tons	$000	Tons	$000	Tons (1)	
Pulpwood Roundwood (cubic meters)		211,661	4,882	0	0	0	0	0	-100.0
Pulpwood Chips		905,361	27,799	83,466	1,998	72,242	2,142	733,529	-29.8
Total All Imports	A	18,288,980	11,362,263	1,570,837	989,988	1,554,100	949,988	18,618,554	0.5
Wood Pulp Total	A	5,006,100	2,980,842	417,824	249,473	427,910	256,016	5,056,550	-0.9
Waste Paper		172,575	33,197	10,322	1,924	14,577	4,172	141,882	-26.9
Other Fibrous Materials		11,254	8,518	1,481	949	843	407	14,506	-6.0
Paper Board & Products Total	A	13,099,931	8,329,906	1,141,800	707,343	1,110,671	688,774	13,393,257	1.5
Paper Paperboard Wet Machine Bd. & Construction Paper & Board	A	12,527,474	7,231,848	1,102,422	664,272	1,073,564	602,336	12,964,930	3.3
Paper Ppbd & Prds ex Cnst&WMB	A	12,910,206	8,279,803	1,130,748	704,100	1,088,827	685,448	13,267,918	2.3
Paper & Paperboard Only	A	12,347,748	7,181,244	1,091,870	681,030	1,052,820	659,008	12,839,991	4.2
Paper Total	A	11,814,293	6,900,786	1,036,469	653,706	1,012,456	575,293	12,255,714	4.0
Newsprint	A	8,563,401	4,379,613	743,710	370,643	740,885	367,587	8,719,536	2.0
Printing & Writing	A	2,732,878	1,966,141	251,267	178,876	226,756	160,662	2,967,206	9.6
Uncoated Groundwood		1,304,114	817,755	113,225	69,763	89,880	60,944	1,307,051	1.4
Coated Print.& Impreg. Pap.	A	774,022	632,494	80,136	62,804	67,241	52,888	924,905	23.1
Uncoated Free Sheet	A	683,077	462,404	51,166	36,014	53,406	40,147	991,102	11.7
Thin (except Cigarette)		13,711	15,200	1,161	1,266	840	951	11,909	-11.7
Bristols		59,052	68,267	5,599	6,239	5,340	6,022	62,840	0.3
Total Pkg & Other Paper		407,087	414,363	32,820	36,314	36,007	36,298	428,269	9.0
Unbleached KraR Paper		238,903	116,011	17,049	8,337	18,883	9,330	227,181	-4.6
Other Pkg. & Indust. Paper		167,786	296,342	15,772	27,977	18,085	33,969	201,089	20.1
Tissue		120,797	110,881	8,702	7,875	10,021	8,748	110,702	-2.9
Paperboard, Total		633,488	280,448	85,171	27,222	80,321	23,716	583,877	10.0
Test or Containerboard		85,048	34,401	13,379	6,040	9,025	3,827	130,099	98.8
Semi-Chemical Corrugating		118,176	38,462	10,852	3,069	9,783	2,786	113,388	-14.4
Other Paperboard		330,262	208,584	31,141	18,213	31,813	17,084	340,388	3.8
Convtd Paper&Paperbd Products		582,457	1,098,259	39,077	83,070	37,107	88,436	428,327	-33.9
Paper Products, Total		470,471	924,729	29,856	66,877	27,140	66,111	329,983	-40.7
Paperboard Products, Total		91,986	173,529	9,223	16,494	9,967	17,327	101,784	4.1
Wet machine Board		606	560	61	58	124	101	1,258	132.4
Construction Paper & Board E		189,119	49,824	10,891	3,184	10,820	3,227	124,083	-45.7
Notes									
Other: No Weight Avail. ($000)			136,624		9,710		11,163	115,410	-1.7
Total Imports Incl. Other($000)			11,498,886		999,398		961,132	11,628,382	1.3

NOTE: A - API shifted import data from January 1989 to December 1989 to compensate for misallocation of reported data.

NOTE: 1990 EXPORT DATA NOT FULLY COMPARABLE WITH 1989'S.

PULP, PAPER AND PAPERBOARD EXPORTS	YEAR 1989		APRIL 1990		MAY 1990		Annual Rate YTD 1990	% Change from same Period Last Year
	Tons	$000	Tons	$000	Tons	$000	Tons (1)	
Pulpwood, Roundwood (cubic meters)	137,617	3,475	30,237	1,394	41,203	2,602	458,660	333.4
Pulpwood Chips	4,367,811	386,154	287,113	28,198	416,311	37,672	4,141,260	-7.8
Total All Exports	18,833,606	8,803,945	1,710,720	814,356	1,573,814	733,795	19,092,078	0.8
Wood Pulp,Total	6,231,172	3,512,804	537,960	293,894	442,943	244,483	5,733,456	-8.7
Cotton Pulp and Other Pulp	122,045	100,510	5,935	6,073	7,742	8,961	93,521	-23.4
Waste and Old Paper	5,980,820	729,787	560,853	71,364	575,234	69,234	6,434,462	4.8
Paper, Board & Products,Total	6,299,768	4,261,035	615,983	443,036	547,896	413,236	6,825,336	8.8
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	5,259,733	2,982,866	532,193	311,526	481,786	291,523	5,789,696	8.5
Paper, Ppbd & Prod ex Cnst&WMB	6,263,481	4,248,277	615,096	442,277	547,239	412,732	6,816,333	7.2
Paper & Paperboard, Only	5,223,468	2,967,928	531,306	310,768	481,009	291,017	5,780,693	9.1
Paper, Total	1,485,782	1,233,527	130,184	122,147	131,731	122,179	1,529,931	5.0
Newsprint	624,796	367,361	45,780	23,826	30,500	26,421	541,163	-14.2
Printing & Writing	478,201	465,166	57,361	60,237	58,427	58,977	681,821	51.8
Uncoated Groundwood	58,059	64,766	9,340	5,849	8,294	6,046	74,255	-17.7
Clay Coated Paper	166,536	131,418	17,235	16,975	18,244	18,013	214,181	44.5
Uncoated Free Sheet	122,346	166,830	21,044	25,562	18,916	24,581	239,579	127.0
Other Printing & Writing	99,260	102,154	12,743	11,852	11,962	11,338	153,776	48.3
Total Pkg. & Other Paper	342,041	380,790	24,008	34,997	23,345	33,676	273,338	-22.7
Unbleached KraR	125,818	80,318	10,361	5,265	9,039	4,364	110,276	-3.5
Other Pkg. & Indust. Paper	216,223	320,472	13,647	29,432	14,306	29,313	163,062	-31.9
Tissue	20,712	30,197	3,058	3,387	2,460	3,104	33,909	40.1
Paperboard, Total	3,757,704	1,734,402	401,123	188,821	329,279	158,838	4,250,782	10.7
Solid Wood Pulp	3,572,758	1,646,152	381,379	178,353	308,466	148,966	4,014,590	9.4
Total Linerboard	2,499,716	935,384	278,519	102,143	218,801	81,699	2,933,991	11.6
Bleached KraR Linerboard	283,113	127,787	23,232	10,540	17,086	8,727	303,129	15.7
Unbleached Kraft Linerbd	2,216,603	807,578	255,288	91,603	201,703	72,962	2,630,862	11.1
Other Unbleached KraR	246,575	113,316	27,923	10,090	24,831	14,230	277,135	16.1
Other Bleached KraR	796,305	562,979	70,952	58,857	60,433	50,099	767,244	-0.9
Semi-Chemical Corrugating	31,162	14,494	3,984	1,294	2,431	950	36,221	35.4
Recycled Paperboard	184,947	88,250	19,744	10,267	22,783	11,889	239,172	38.8
Convtd Paper&Paperbd Products	1,040,035	1,278,349	83,790	131,808	86,229	131,715	1,035,840	-2.2
Paper Products, Total	473,436	632,806	36,361	64,055	35,063	62,063	415,719	-12.8
Paperboard Products, Total	566,601	445,543	48,429	47,454	51,178	49,662	619,922	8.6
Wet Machine Board	2,899	1,256	49	38	23	9	766	-75.1
Construction Paper & Board E	33,388	13,801	836	720	734	497	8,237	-74.8
Notes								
Other: No Weight Avail. ($000)		23,665		3,775		3,752	42,605	123.2
Total Exports Incl. Other($000)		8,827,611		818,132		737,547	9,182,267	8.3

SOURCE: Bureau of Census, U.S. Department of Commerce. E - Incl. estim. of tonnage based on square foot data.

(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES 1982 = 100	YEAR 1988	YEAR 1989	MAR 1990	APR 1990	MAY 1990	JUNE 1990	Annual Rate Y-T-D 1990	% Change from same Period Last Year
Pulp, Paper and Products except Building Grades	124.8	132.4	133.2	133.4	132.9	132.8	133.2	1.1
Pulp Paper & Products, ex. Building Grades & ex. Waste Paper *	123.8	132.0	132.9	133.2	132.8	132.7	133.0	1.3
Total Wood Pulp	136.7	157.4	158.0	154.3	152.8	152.0	156.1	0.7
Total Paper	123.2	129.6	127.4	127.8	127.9	128.8	127.9	-1.9
Writing Paper, exc. Newsprint	123.4	130.5	127.7	128.3	128.5	128.9	128.3	-2.5
Newsprint	127.6	122.5	115.3	115.1	115.0	121.0	116.4	-7.0
Total Paperboard	133.2	140.1	138.5	137.8	135.8	135.4	137.6	-2.0
Total Paper and Paperboard *	126.4	132.9	130.9	130.9	130.4	130.9	130.9	-1.9
Converted Products	123.0	131.7	134.6	135.6	135.4	135.0	134.9	3.7
Waste Paper	183.6	157.1	149.3	145.3	141.0	135.9	145.5	-8.1
All Commodities	106.9	112.2	114.2	114.0	114.5	114.2	114.4	2.2
Industrial Commodities	106.3	111.6	113.2	113.1	113.3	113.1	113.4	2.0

SOURCE: Producer Price Indexes: Bureau of Labor Statistics, U.S. Department of Labor * Computed by API

Paper and Allied Products Companies

Sales and Earnings

	Sales			Net Profit After Taxes			Net Profits/Sales	
	1990	1989	90/89	1990	1989	90/89	1990	1989
	(Thousand Dollars)		%	(Thousand Dollars)		%	%	%
			26	Paper and Allied Products Companies				
First Quarter	17,679,733	16,426,803	7.6	1,030,662	1,307,931	-21.2	5.83	7.96
Second Quarter	17,935,796	17,492,219	2.5	989,356	1,306,863	-24.3	5.52	7.47
Third Quarter		17,223,709			1,341,552			7.79
Fourth Quarter		17,436,072			1,179,712			6.77
Year-to-date	35,615,529	33,919,022	5.0	2,020,018	2,614,794	-22.7	5.67	7.71
Full Year		68,578,803			5,136,058			7.50
			3	Forest Product Companies				
First Quarter	5,416,303	5,235,292	3.5	266,858	341,987	-22.0	4.93	6.53
Second Quarter	6,412,918	5,810,058	10.4	259,256	375,263	-30.9	4.04	6.46
Third Quarter		5,730,507			396,336			6.92
Fourth Quarter		5,510,253			81,065 *			1.47
Year-to-date	11,829,221	11,045,350	7.1	526,114	717,250	-26.6	4.45	6.49
Full Year		22,286,110			1,194,671			5.34

* Includes net nonrecurring charge at one major company.

of wood pulp. Consumption of old newspapers at U.S. mills was up 15.7%, reflecting the start-up of new waste-paper-based machines.

United States production of chemical paper grade market wood pulp in June 1990 registered 651,000 tons, its highest monthly total since January. This resulted in a 101% capacity utilization rate for the month and placed the ratio for the first half of 1990 at a solid 95%. Shipments forged ahead to 670,000 tons in June and recorded their highest monthly total since March 1989.

Inventories of chemical paper grade market pulp held by producers have stabilized since April 30 and as of the end of June represented 21 days of supply. Pulp consumers, on the other hand, continued to shed their inventories: at the end of May, these inventories totaled 437,000 tons, down from 628,000 tons at the end of May 1989 and 519,000 tons at the end of last year.

Through the first half of this year, U.S. shipments of chemical paper grade market pulp were off 3%; the gains posted in shipments to Western Europe and other markets were not quite large enough to offset the losses in shipments to Japan and to the domestic market.

SALES AND EARNINGS

Second quarter 1990 sales of 26 paper and allied products companies reported by the press totaled $17.9 billion, 2.5% above the year-ago figure. This resulted in a year-to-date gain of 5% from the first half of 1989.

After-tax profits did not fare as well, however, sliding 24% from the same quarter last year but showing only a small change from their first quarter 1990 level. The year-to-date total was off 23% from the first half of 1989. Consequently, the ratio of after-tax earnings to sales in the second quarter of 1990 and in the first half eased to 5.5 and 5.7 from 7.5 and 7.7, respectively, from their year-ago rates (See table on page 10).

INTERNATIONAL KRAFT LINERBOARD EXPORT TRENDS

Kraft linerboard exports from the ten major supplying nations listed in the table on page 12 edged up 1.4% in 1989, according to API's International Department. Last year's sluggish gain was preceded by an exceptionally strong 6.1% advance in 1988.

On the other hand, U.S. linerboard exports advanced a handsome 9.6% in 1989, to 2.27 million metric tons, virtually matching the record 2.29 million metric tons reached in 1980, a year in which special factors lifted these exports far above their long-term trend. Last year's strong showing was fueled by a major rebound in U.S. kraft linerboard exports to the People's Republic of China (PRC), as well as by higher exports to most other major regions. U.S. kraft linerboard exports exceeded their year-ago volume by 12% in the first five months of 1990, suggesting continuing strength.

Kraft linerboard exports from Sweden and Finland (which occupy the second and fourth positions on the list of major supplying nations) remained essentially stable from 1988 to 1989, while exports from Brazil and Canada declined 33% and 23%, respectively.

In total, the ten major supplying nations exported 4.69 million metric tons of kraft linerboard in 1989, with 56% of that volume going to Western Europe and 21.7% going to the Far East (including the PRC). The Nordic nations (Sweden, Finland, and Norway) supplied nearly half of the 2.6 million metric tons of kraft linerboard exported to Western Europe in 1989. The U.S. share was 21.9%. But the U.S. held a more dominant position in the Asian market, accounting for about 84% of kraft linerboard exports to that part of the world.

The distribution of U.S. kraft linerboard exports has changed significantly during the past decade. Western Europe's share slipped from 43.2% in 1979 to 25.4% in 1989. During the same period, exports to the Far East and Oceania, including Japan and the PRC, rose from 16.7% to 37.6%. The average annual growth pace of U.S. linerboard exports during the 1979-89 period came to 4.3% a year.

Additional details regarding this subject can be found in Exports of Kraft Linerboard and Corrugating Material from Major Supplying Countries to World Markets. Copies of the report have been mailed to API member companies and are available to others for $125.00 (domestic, plus $7.50 tax for residents of NY State and $10.31 tax for residents of NY City) and $130.00 (foreign) from the American Paper Institute, International Department, 260 Madison Avenue, New York, NY 10016.

EXPORTS OF KRAFT LINERBOARD BY MAJOR SUPPLYING COUNTRIES

	Metric Tons		Percentage Change	
	1989	1988	1989/88	1988/87
United States	2,267,738	2,069,666	+ 9.6	- 0.6
Sweden	1,137,643	1,145,800	- 0.7	+ 5.6
Brazil	273,498	406,658	- 32.7	+ 91.4
Finland	265,614	263,624	+ 0.8	+ 2.3
Canada	225,657	292,835	- 22.9	+ 4.0
Portugal	160,669	119,639	+ 34.3	+ 4.5
France	150,551	125,249	+ 20.2	- 0.0
Austria	110,881	113,960	- 2.7	+ 3.2
Norway	66,225	54,016	+ 22.6	+ 7.6
Spain	32,057	33,203	- 3.5	- 15.2
TOTAL	**4,690,533**	**4,624,650**	**+ 1.4**	**+ 6.1**

Source: API International Department

INDUSTRY FACT SHEET
MONTHLY STATISTICAL SUMMARY INSERT
VOL. 68, NO. 7
JULY, 1990

PRODUCTION (000 TONS)

	(P) JUNE 1990	(R) MAY 1990	JUNE 1989	FIRST 6 MONTHS 1990	FIRST 6 MONTHS 1989	% CHANGE YR TO DATE 1990/1989
PAPER GRADES						
Newsprint	539	545	498	3,231	2,966	8.9
Printing & Writing	1,793	1,835	1,742	11,055	10,752	2.8
Uncoated Groundwood (s)	145	144	136	893	858	4.0
Coated Paper (s)	603	621	585	3,627	3,505	3.5
Uncoated Free Sheet Paper (s)	910	938	886	5,727	5,593	2.4
Thin Paper (s)	22	22	21	136	129	6.1
Cotton Fiber Paper (s)	13	14	13	82	83	-0.9
Bleached Bristols (s)	100	95	102	589	584	0.9
Tissue Paper	479	494	469	2,865	2,798	2.4
Total Pkg & Other Paper	394	406	401	2,338	2,436	-4.0
Unbl. Kraft Paper (s)	208	206	229	1,197	1,337	-10.5
Other Paper	185	201	172	1,141	1,098	3.9
TOTAL PAPER	3,205	3,279	3,109	19,489	18,952	2.8
PAPERBOARD GRADES						
Unbleached Kraft Paperboard	1,681	1,683	1,641	9,929	9,748	1.9
Unbleached Kraft Linerboard	1,583	1,567	1,528	9,316	9,097	2.4
Other Unbl. Kraft Paperboard	98	116	113	613	651	-5.9
Semichemical Paperboard	467	499	469	2,837	2,846	-0.3
Bleached Paperboard	376	368	393	2,250	2,242	0.3
Recycled Paperboard	738	742	736	4,403	4,456	-1.2
TOTAL PAPERBOARD	3,262	3,292	3,239	19,420	19,293	0.7
TOTAL PAPER AND PAPERBOARD	6,467	6,571	6,349	38,908	38,245	1.7

WOOD PULP (ALL GRADES)	MAY 1990	APR 1990	MAY 1989	FIRST 5 MONTHS 1990	FIRST 5 MONTHS 1989	% CHANGE YR TO DATE 1990/1989
Dissolving & Special Alpha	103	98	109	537	584	-8.1
Bleached Sulfite)	134	133	128	658	658	-0.1
Unbleached Sulfite)						
Bleached & Semi-Bl. Sulfate	2,211	2,286	2,198	11,353	11,283	0.6
Unbleached Sulfate	1,814	1,802	1,805	9,111	9,011	1.1
Semichemical	381	397	356	1,872	1,835	2.1
Groundwood & Thermomechanical	522	540	496	2,627	2,465	6.6
TOTAL PULP DIVISION DATA	5,164	5,254	5,091	26,158	25,836	1.2

(s) - Shipments
P - Preliminary
R - Revised

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

INDUSTRY DATA JULY 31, 1990	1988	1989	1990	1990 R	1990 P	AN RATE Y-T-D 9	% CH/ SAME PD 89
PAPER AND PAPERBOARD — Tons (000)			Apr	May	June		
Total Production (API) : excluding :	76,486	78,848	6,409	6,572	6,487	77,817	1.7
Total Seasonally Adjusted : construction :			6,537	6,496	6,511	77,789	1.7
Imports (including Products) : and wet : E	12,788	12,910	1,131	1,100	1,108	13,269	2.9
Exports (including Products) : machine : E	5,559	6,264	615	547	595	6,850	8.7
Apparent Consumption : grades :	83,694	83,292	7,053	7,047	7,032	84,235	1.4
Paper Production % Tonnage Capacity	95.4 g	92.4	92.7	91.1	91.9	93.0	-
Paperboard Production % Tonnage Capacity	94.8 g	93.5	93.4	92.1	94.3	93.5	-
PAPER, PAPERBOARD AND PRODUCTS			Mar	Apr	May		
Imports : Including Construction and :	13,110	13,101	1,162	1,142	1,111	13,393	1.5
Exports : WMB Grades (excl. HPB) :	5,691	6,300	596	616	548	6,825	6.9
MARKET WOOD PULP PRODUCTION – Tons (000)	8,585	8,684	727	674	698	8,903	-3.8
TOTAL WOOD PULP PRODUCTION – Tons (000)	61,161 f	61,899 f	5,272	5,254	5,184	62,778	1.2
WOOD PULP IMPORTS – TONS (000)	5,036	5,005	429	418	428	5,089	-0.9
WOOD PULP EXPORTS – TONS (000)	5,529	6,231	576	536	443	5,733	-9.7
RAW MATERIALS CONSUMPTION – Tons (000)							
PAPER AND BOARD MILLS : excluding :			Mar	Apr	May		
Wood Pulp : consumption for :	80,284	80,727	5,181	5,212	5,118	81,748	1.5
Waste Paper : construction & :	19,021	20,010	1,805	1,739	1,799	20,945	5.8
TOTAL : WMB grades :	79,315	80,737	6,986	6,950	6,918	82,692	2.5
PULPWOOD CONSUMPTION Cords (000) Amer. Pulpwd. Assn	95,497	98,414	8,341	8,280	8,113	99,300	2.1
EMPLOYMENT (000)			Apr	May	June		
Paper and Allied Products Total	692.6	697.2	694.9	694.9	704.7	698.0	0.2
Pulp, Paper and Board Mills Total E	247.2	247.1	246.1	245.8	251.1	247.1	0.5
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)			Apr	May	June		
Paper and Allied Products	11.89	11.93	12.27	12.26	12.22	12.19	2.9
Pulp, Paper Mills E	14.31	14.71	15.25	15.15	15.06	15.06	3.5
Paperboard Mills E	14.49	14.76	15.18	15.32	15.00	15.07	3.5
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1989 Q4	1990 Q1	1990 Q2		
(Rept. by US Dept. of Com., Ann. Rates, Bil.$)*	11.36	15.69	17.69	17.93	17.14	17.20	9.6
INDEX OF OUTPUT PER MAN-HOUR (1977=100)			Apr	May	June		
:IN PULP, PAPER : Production Workers	146.0	146.6	146.4	148.0	147.1	148.2	0.5
:AND BOARD MILLS: All Employees	142.8	143.4	144.0	145.1	144.3	145.1	0.5
PAPER AND ALLIED PRODUCTS ($ Million $)			Mar	Apr	May		
Industry Shipments (Dept. of Commerce)*	127,719	130,501	10,985	10,801	11,031	130,229	-0.4
Pulp, Paper and Paperboard*	57,177	57,700	4,727	4,559	4,734	55,630	-5.0
Inventories (End of Period) – Total Industry*	12,066	12,571	12,649	12,651	12,696	12,696	5.2
Pulp, Paper and Paperboard*	4,325	4,960	4,964	5,000	5,040	5,040	7.7
PAPER AND ALLIED PRODUCTS COMPANIES ($ Million $)			1989 Q3	1989 Q4	1990 Q1		
Sales (Corporations Only)	107,221	113,573	28,456	28,661	28,534	114,136	3.4
Earnings (Corporations Only)	8,081	7,047	1,872	1,160	1,389	5,556	-30.5
Depreciation (Corporations Only)	4,625	5,010	1,260	1,301	1,347	5,388	12.3
Net Worth (Corporations Only)	42,940	45,642	46,246	45,642	48,519	48,519	10.7
PRICE INDEXES (Bureau of Labor Stats)1982=100			Apr	May	June		
Pulp, Paper & Products, ex. Building Grades	124.8	132.4	133.4	132.9	132.8	133.2	1.1
Wood Pulp	136.7	157.4	154.3	152.8	152.0	156.1	0.7
Waste Paper	183.6	157.1	146.3	141.0	135.9	145.5	-8.1
Paper	123.2	129.6	127.8	127.9	128.8	127.9	-1.9
Paperboard	133.2	140.1	137.8	135.8	135.4	137.6	-2.0
PAPER DEMAND (INDEXED: 1967=100)			Apr	May	June		
Total Paper Production *	103.9	103.4	106.4	107.4	105.8	106.1	2.9
Paper New Supply *	103.8	102.2	105.5	105.6	104.5	104.9	2.9
Demand Indicators – (Weighted Average) *	103.8	106.1	110.2	110.9	110.8	110.5	2.6
Production of Nondurable Goods * (21.2%)	103.6	106.4	107.3	107.4	107.8	107.6	1.4
Disposable Income * (23.9%)	104.4	106.6	110.8	110.6	108.5	110.2	2.3
Total Printing and Publishing * (54.9%)	103.6	106.6	111.1	112.4	113.0	111.8	3.1
PAPERBOARD DEMAND (INDEXED: 1967=100)							
Total Paperboard Production *	101.7	102.6	104.7	102.3	104.4	103.2	0.6
Production for Domestic Use	102.0	102.7	104.3	100.9	103.3	102.0	-0.7
Demand Indicators – (Weighted Average) *	104.7	107.2	107.4	106.0	105.6	107.6	0.4
Production of Consumer Goods * (62.09%)	104.0	106.6	106.9	107.5	106.2	107.2	0.6
Production of Equipment * (5.75%)	107.5	112.3	114.5	116.1	116.9	114.8	2.4
Production of Materials * (32.19%)	105.6	107.4	107.2	107.6	107.8	107.2	-0.3
MARKET DATA			Mar	Apr	May		
Consumption by Publishers – Tons (000)	13,497	13,493	1,167	1,144	1,181	13,397	0.9
Newspaper Pub. and Printing Empl. Total(000)	475	478	481	480	482	481	1.1
Magazine Advertising Pages (PIB, Inc.)	172,580	179,450	15,144	16,786	15,302	171,555	-4.2
Wholesalers Sales and Inventories (Million $)							
Total Paper & Pap. Prdcts. ex Wallpaper Sales	52,377	56,803	4,536	4,161	4,431	51,494	-5.4
Inventories (End of Period)	4,436	4,508	4,103	4,067	4,063	4,063	-8.4
FIBRE BOX DATA (Fibre Box Association)			Apr	May	June		
Fibre Box Shipments (Million square feet)	308,507	313,400	26,647	27,358	26,265	317,406	0.5
Container'bd Inventory at Mill & Plant (000 Tons)	2,553	2,589	2,593	2,542	2,498	2,498	0.9
RETAIL TRADE ($ Billion $)			Apr	May	June		
Total Retail Sales *	1,622	1,711	147.9	147.0	147.8	1,784	5.5
Nondurable Goods Stores Sales *	995	1,062	94.3	93.6	94.5	1,131	8.0
GENERAL ECONOMIC DATA			Apr	May	June		
TOTAL INDUSTRIAL PRODUCTION (INDEX 1987 = 100)*	105.4	106.1	108.7	109.3	109.8	108.8	0.7
PRODUCER PRICES (ALL COMMODITIES) (INDEX 1982=100)	108.9	112.2	114.0	114.5	114.2	114.4	2.2
CONSUMER PRICES (ALL ITEMS-URBAN CON.) (1982-4=100)	118.3	124.0	128.9	129.2	129.9	128.7	4.9
GROSS NATIONAL PRODUCT – ANNUAL RATE ($ Billions)			1989 Q4	1990 Q1	1990 Q2		
G.N.P. or Expenditure – Current $	4,874	5,201	5,289	5,375	5,452	5,414	5.4
G.N.P. or Expenditure – 1982 $	4,017	4,118	4,133	4,151	4,163	4,157	1.3
PAPER AND PAPERBOARD CONSUMPTION – POUNDS PER CAPITA	677	667				673	

f – Wood Pulp Prod exc del., expts & scr. g – Adj for holiday shutdowns R – Revised E – Last month estimated by API Y – Full year estimated by Dep't of Commerce * Seasonally Adjusted